

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016088

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ C12N1/14, A01G7/00, A01G16/00, A01N63/00				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ C12N1/14, A01G7/00, A01G16/00, A01N63/00				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE (STN), WPI (DIALOG), BIOSIS (DIALOG), JSTPlus (JOIS)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X Y	Yuzo FUJII et al., "Penicillium decumbens kara no Ine Imochibyokin Melanin Gosei Sogai Busshitsu", 2001 Nendo Nogei Kagakukai Kansai Nishinohon Chushikoku Shibu Godo Taikai Koen Yoshishu (2001), page 8	1 2-13		
X Y	Yuzo FUJII et al., "Penicillium decumbens kara no Ine Imochibyokin Melanin Gosei Sogai Busshitsu -second report-", 2002 Nendo (Heisei 14 Nendo) Nogei Kagakukai Taikai Koen Yoshishu (2002), page 78, 3-2Cp11	1 2-13		
X Y	OKEKE B. et al., Fungal metabolite extracts active against phytopathogens. Sci.Total Environ (1994), Vol.155, No.2; pages 125 to 130	1 2-13		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.				
<table border="0"> <tr> <td> * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search 14 January, 2005 (14.01.05)		Date of mailing of the international search report 01 February, 2005 (01.02.05)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	RENWICK A. et al., Assessment of in vivo screening systems for potential biocontrol agents of <i>Gaeumannomyces graminis</i> . Plant Pathol (1991), Vol.40, No.4; pages 524 to 532	1 2-13
X Y	JP 11-225747 A (Katakura Chikkarin Kabushiki Kaisha), 24 August, 1999 (24.08.99), Full text (Family: none)	1,8-12 2-7,13
A	WO 95/14784 A (MONSANTO CO.), 01 June, 1995 (01.06.95), Full text & AU 9481209 A & EP 733116 A1 & CZ 9601317 A3 & SK 9600655 A3 & HU 74393 T & JP 9-506249 A & BR 9408140 A & CN 1136329 A & SK 280613 B6 & CN 1066198 C	1-13
A	KOCH E. et al., Evaluation of commercial products for microbial control of soil-borne plant diseases. Crop Prot (1999), Vol.18, No.2; pages 119 to 125	1-13
A	STOSZ S.K. et al., In Vitro Analysis of the Role of Glucose Oxidase from <i>Talaromyces flavus</i> in Biocontrol of the Plant Pathogen <i>Verticillium dahliae</i> . Appl Environ Microbiol (1996), Vol.62, No.9; pages 3183 to 3186	1-13
A	MADI L. et al., Biological Control of <i>Sclerotium rolfsii</i> and <i>Verticillium dahliae</i> by <i>Talaromyces flavus</i> Is Mediated by Different Mechanisms. Phytopathology (1997), Vol.87, No.10; pages 1054 to 1060	1-13

A. 発明の属する分野の分類 (国際特許分類 (IPC))
Int. Cl⁷ C12N 1/14, A01G 7/00, A01G 16/00, A01N 63/00

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))
Int. Cl⁷ C12N 1/14, A01G 7/00, A01G 16/00, A01N 63/00

最小限資料以外の資料で調査を行った分野に含まれるもの

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)
MEDLINE (STN), WPI (DIALOG), BIOSIS (DIALOG), JSTPlus (JOIS)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X/Y	藤井 雄三ほか、Penicillium decumbensからのイネいもち病菌メ ラニン合成阻害物質 2001年度農芸化学会関西・西日本・中四国支部合同大会講演要 旨集 (2001) 第38頁	1/2-13
X/Y	藤井 雄三ほか、Penicillium decumbensからのイネいもち病菌メ ラニン合成阻害物質—第2報— 2002年度 (平成14年度) 農芸化学会大会講演要旨集 (200 2) 第78頁3-2 Cp 11	1/2-13

☒ C欄の続きにも文献が列挙されている。

☐ パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

- 「A」 特に関連のある文献ではなく、一般的技術水準を示すもの
「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの
「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)
「O」 口頭による開示、使用、展示等に言及する文献
「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

- の日の後に公表された文献
「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの
「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの
「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの
「&」 同一パテントファミリー文献

国際調査を完了した日

14. 01. 2005

国際調査報告の発送日

01. 2. 2005

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

左海 匡子

4N

3038

電話番号 03-3581-1101 内線 3488

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X/Y	OKEKE B, et al., Fungal metabolite extracts active against p hytopathogens. Sci Total Environ(1994)VOL. 155 NO. 2; PAGE. 125-130	1 / 2 - 1 3
X/Y	RENNICK A, et al., Assessment of in vivo screening systems f or potential biocontrol agents of Gaeumannomyces graminis. Plant Pathol(1991)VOL. 40 NO. 4; PAGE. 524-532	1 / 2 - 1 3
X/Y	JP 11-225747 A (片倉チッカリン株式会社) 1999.08.24, 全文 (ファミリーなし)	1, 8 - 1 2 / 2 - 7, 1 3
A	WO 95/14784 A(MONSANTO CO)1995.06.01, 全文 & AU 9481209 A & EP 733116 A1 & CZ 9601317 A3 & SK 9600655 A3 & HU 74393 T & JP 9-506249 A & BR 9408140 A & CN 1136329 A & SK 280613 B6 & CN 1066198 C	1 - 1 3
A	KOCH E, et al., Evaluation of commercial products for microbial control of soil-borne plant diseases. Crop Prot(1999)VOL. 18 NO. 2; PAGE. 119-125	1 - 1 3
A	STOSZ S K, et al., In Vitro Analysis of the Role of Glucose Oxidase from Talaromyces flavus in Biocontrol of the Plant Pathogen Verticillium dahliae. Appl Environ Microbiol(1996)VOL. 62 NO. 9; PAGE. 3183-3186	1 - 1 3
A	MADI L, et al., Biological Control of Sclerotium rolfsii and Verticillium dahliae by Talaromyces flavus Is Mediated by Different Mechanisms. Phytopathology(1997)VOL. 87 NO. 10; PAGE. 1054-1060	1 - 1 3